

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1872	604/67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/12/14 10:01
L2	22033	valve (balloon or expand\$4) (restrict or contro) flow	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/12/14 10:08
L3	1047	"251".clas. valve (balloon or expand\$4) (restrict or contro) flow	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/12/14 10:08
L4	1062	"604".clas. valve (balloon or expand\$4) (restrict or contro) flow	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/12/14 10:09
S1	30	("4443218" "4447224" "4718893" "4931050" "5667504" "5820589" "5908414" "5937895" "6007609" "6045115" "6048328" "6174352" "6333088" "6471675").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 06:22
S2	10	(US-4386601-\$ or US-6198966-\$ or US-5328460-\$ or US-4955861-\$ or US-4978338-\$ or US-5820589-\$ or US-5667504-\$ or US-4487603-\$ or US-5752930-\$ or US-6048328-\$).did.	USPAT	AND	OFF	2006/09/12 06:36
S3	6567	pump capillary tube valve	USPAT	AND	OFF	2006/09/12 06:40
S4	9122	pump valve capillary	USPAT	AND	OFF	2006/09/12 06:41
S5	316	pump valve capillary	USPAT	WITH	OFF	2006/09/12 06:41
S6	1296	pump valve capillary flow adj control	USPAT	AND	OFF	2006/09/12 06:42
S7	95	pump valve capillary flow adj control and "604".clas.	USPAT	AND	OFF	2006/09/12 06:42
S8	573	pump valve (capillary or restrictor) flow control and "604".clas.	USPAT	AND	OFF	2006/09/12 06:55

## EAST Search History

S9	2	("4299220").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/12 06:44
S10	220	pump valve (multi-lumen adj capillary or restrictor) flow control and "604".clas.	USPAT	AND	OFF	2006/09/12 06:55
S11	0	pump valve multi-lumen adj capillary flow control and "604".clas.	USPAT	AND	OFF	2006/09/12 06:55
S12	0	pump valve multilumen adj capillary flow control and "604".clas.	USPAT	AND	OFF	2006/09/12 06:55
S13	27	multi-lumen restrictor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 07:23
S14	1661	604/247	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 07:00
S15	17	("4702733"   "4787889"   "4808154"   "4816017"   "4921477"   "4983160"   "5084009"   "5106367"   "5167620"   "5188589"   "5476448"   "5725495"   "6039715"   "6042586"   "6258053"   "6299591"   "6599271").PN. OR ("7083591").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/12 07:16
S16	737	604/250	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/12 07:17
S17	5	multilumen restrictor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 07:23
S18	20	("3747632"   "4187846"   "4257416"   "4367740"   "4425113"   "4429852"   "4581012"   "4616802"   "4695273"   "4701159").PN. OR ("4950255").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/12 07:27
S19	3157	diaphragm restrictor valve	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/12 07:28

## EAST Search History

S20	1538	diaphragm restrictor valve pump	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/12 07:28
S21	165	diaphragm restrictor valve and "604". clas.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/12 07:28
S22	62	("3734851"   "3883393"   "4220725"   "4241187"   "4293413"   "4488911"   "4514499"   "4537860"   "4559304"   "4647539"   "4675002"   "4692411"   "4720462"   "4804628"   "4833083"   "4837379"   "4861485"   "4873033"   "4923598"   "4959148"   "4999298"   "5013437"   "5015585"   "5043260"   "5064764"   "5106743"   "5108923"   "5108926"   "5116493"   "5198110"   "5211849"   "5213720"   "5240614"   "5254249"   "5254471"   "5270192"   "5290684"   "5368555"   "5376548"   "5411662"   "5480552"   "5510254"   "5510257"   "5512474"   "5516691"   "5527467"   "5536656"   "5595909"   "5605835"   "5643794"   "5658797"   "5700372"   "5730712").PN. OR ("5955353").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/12 07:35
S23	31	("1569778"   "1749368"   "3520803"   "3552575"   "3566930"   "3799353"   "4157723"   "4223672"   "4229290"   "4265280"   "4350156"   "4389206"   "4486282"   "4680025"   "4702841"   "4790942"   "4844871"   "5141592"   "5217618"   "5464534"   "5551942"   "5656163"   "5679260"   "5807492"   "5858238"   "5955353"   "6071421"   "6099730").PN. OR ("6852231"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/12 07:35
S24	21	("3782382"   "4568327"   "4690245"   "4861485"   "4886086"   "5008012"   "5020943"   "5092836"   "5254249"). PN. OR ("5730712").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/12 07:38
S25	290	dialyser flow control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 08:24
S26	6	("4179380"   "4708796"   "4830383"). PN. OR ("5139669").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/12 08:16

## EAST Search History

S27	20	("3898045"   "4451562"   "4469659"   "4490331"   "4564359"   "4573992"   "4642088"   "4808378"   "4874581"   "4971836"   "4975247").PN. OR ("5116308").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/12 08:17
S28	19	("1755011"   "3748828"   "4155961"   "4219420"   "4376095"   "4618462"   "4636307"   "4750918"   "4793932"   "4851136"   "4917797"   "4961464"   "4980098"   "5006264"   "5116308"   "5405497"   "5470470"   "6004386").PN. OR ("7104530").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/12 08:18
S29	32	dialyser diaphragm válve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 08:30
S30	20	("3898045"   "4451562"   "4469659"   "4490331"   "4564359"   "4573992"   "4642088"   "4808378"   "4874581"   "4971836"   "4975247").PN. OR ("5116308").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/12 08:26
S31	1794	hollow fiber diaphragm valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 08:30
S32	1449	hollow fiber flow control diaphragm valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 08:30
S33	27	hollow fiber flow adj control diaphragm adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 08:31
S34	87	hollow fiber diaphragm adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 08:31

## EAST Search History

S35	28	(US-20030153872-\$ or US-20020062105-\$).did. or (US-6048328-\$ or US-5820589-\$ or US-5667504-\$ or US-4718893-\$ or US-6198966-\$ or US-5752930-\$ or US-5328460-\$ or US-4978338-\$ or US-4955861-\$ or US-4487603-\$ or US-4386601-\$ or US-4299220-\$ or US-6589205-\$ or US-6562000-\$ or US-6283944-\$ or US-5575770-\$ or US-7083591-\$ or US-6488652-\$ or US-4950255-\$ or US-4741736-\$ or US-6852231-\$ or US-5730712-\$ or US-4647539-\$ or US-7104530-\$ or US-5116308-\$).did. or (DE-3205449-\$).did.	US-PGPUB; USPAT; DERWENT	AND	OFF	2006/09/12 08:50
S36	8	S35 and sensor	US-PGPUB; USPAT; DERWENT	AND	OFF	2006/09/12 08:52
S37	6	S35 and pressure sensor	US-PGPUB; USPAT; DERWENT	AND	OFF	2006/09/12 08:51
S38	2	S35 and pressure adj sensor	US-PGPUB; USPAT; DERWENT	AND	OFF	2006/09/12 08:51
S39	172	implantable infusion pump flow sensor @py<="2000"	US-PGPUB; USPAT; DERWENT	AND	OFF	2006/09/12 08:52
S40	11	implantable infusion pump flow adj sensor @py<="2000"	US-PGPUB; USPAT; DERWENT	AND	OFF	2006/09/12 08:59
S41	90	implantable infusion pump flow same sensor @py<="2000"	US-PGPUB; USPAT; DERWENT	AND	OFF	2006/09/12 08:53
S42	72	417/44.9	US-PGPUB; USPAT; DERWENT	AND	OFF	2006/09/12 08:59
S43	1699	604/891.1	US-PGPUB; USPAT; DERWENT	AND	OFF	2006/09/12 09:00
S44	839	604/892.1	US-PGPUB; USPAT; DERWENT	AND	OFF	2006/09/12 08:59
S45	41	417/132	US-PGPUB; USPAT; DERWENT	AND	OFF	2006/09/12 08:59
S46	4337	rosenberg.in.	US-PGPUB; USPAT; DERWENT	AND	OFF	2006/09/12 09:00

## EAST Search History

S47	137	rosenberg-m.in.	US-PGPUB; USPAT; DERWENT	AND	OFF	2006/09/12 09:00
S48	137	rosenberg-m.in.	US-PGPUB; USPAT; DERWENT	AND	OFF	2006/09/12 09:02
S49	41	macbride.in.	US-PGPUB; USPAT; DERWENT	AND	OFF	2006/09/12 09:02
S50	626	(604/247).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/16 05:50
S51	239	"604".clas. balloon near valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/06/16 05:51
S52	1638	"604".clas. (balloon or elastic or inflate) same flow same valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/06/16 05:52
S53	83	"604".clas. (balloon or elastic or inflate) same flow near valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/06/16 05:54
S54	105	"604".clas. flow near regul\$4 near valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/06/16 05:56
S55	923	(604/246).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/16 05:57

## EAST Search History

S56	1504	"604".clas. (fluid or hydraul\$4) near valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/06/16 05:58
S57	21	("3941126"   "4077405"   "4193397"   "4258711"   "4447224"   "4604089"   "4696671"   "4828545"   "4838887"   "4865584"   "4898583"   "4898585"   "5049141"   "5100380"   "5267964"   "5281210"   "5304126"   "5318515"   "5464392"   "5820589"   "5839467").PN. OR ("6979315").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/06/16 06:05
S58	26	("4559036"   "4697785"   "4966579"   "4976687"   "5006997").PN. OR ("5318515").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/06/16 06:06
S59	70	("3776249"   "3927955"   "4011940"   "4038981"   "4105028"   "4187057"   "4249923"   "4256437"   "4259985"   "4333486"   "4372304"   "4425113"   "4425116"   "4445826"   "4493710"   "4496133"   "4512764"   "4524802"   "4526515"   "4537561"   "4559036"   "4626241"   "4637813"   "4651898"   "4673389"   "4681563"   "4713051"   "4714463"   "4735558"   "4793589"   "4798580"   "4830581"   "4842584"   "4846177"   "4874359"   "4887636"   "4888004"   "4889148"   "4925444"   "4993594"   "4998914"   "5044902"   "5057278"   "5094260"   "5094820"   "5125891"   "5154693"   "5181842"   "5195960"   "5199604"   "5207642"   "5267956"   "5304126"   "5306242"   "5318515"   "5320502"   "5328057"   "5350083"   "5358481"   "5385540"   "5403277"   "5403281").PN. OR ("5464388").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/06/16 06:09
S60	22	("4299220"   "4668231"   "4699615"   "4820273"   "4838887"   "4969873"   "5049141"   "5053031"   "5090963"   "5137529").PN. OR ("5281210").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/06/16 06:16
S61	54	("2219408"   "3028876"   "3731681"   "4043332"   "4056095"   "4084612"   "4106510"   "4193397"   "4209014").PN. OR ("4299220").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/06/16 06:26

## EAST Search History

S62	41	("20020013545"   "4299220"   "4360019"   "4373527"   "4411651"   "4443218"   "4447224"   "4487603"   "4561443"   "4679560"   "4714462"   "4718893"   "4731051"   "4871351"   "5009251"   "5067943"   "5088983"   "5328460"   "5382236"   "5514103"   "5607418"   "5722957"   "5785688"   "5810015"   "5814019"   "5836915"   "5876425"   "5891097"   "5924848"   "5938412"   "5948006"   "5957890"   "5993414"   "6048328"   "6203523"   "6206659"   "6241704"   "6275737"   "6283944"   "6358239"   "6464687").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/06/16 06:29
S63	2	("4299220").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/08 10:00
S64	873	(604/891.1).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/14 07:34
S65	1566	(251/118).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/14 07:40
S66	838	pump inlet outlet drug driver valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/12/14 07:40
S67	2455	604/131	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/12/14 08:36

## EAST Search History

S68	859	604/141	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/12/14 10:00
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